

ABSTRACT OF THE DISCLOSURE

A cathode ray tube includes a panel in which a phosphor layer is formed, a funnel connected to the panel, the funnel including a neck having a region for housing an electron gun and a region to which a stem is sealed, and a stem having a plurality of stem pins, each stem pin being supported by each stem mound for applying voltage to each electrode of the electron gun. The inside diameter of the stem sealing region of the neck is greater than that of the electron gun-housing region, the diameter of an inner stem pin circle formed by interior stem pins disposed on the inside of the neck is less than that of an outer stem pin circle formed by exterior stem pins disposed on the outside thereof, a horizontal length between an outer edge of the stem mound and an interior of the neck is in the range greater than or equal to 1.0 mm and less than or equal to 2.0 mm. Furthermore, the cathode ray tube includes a panel in which a phosphor layer is formed, a funnel connected to and tapered from the panel, and a neck connected to the funnel and including an electron gun housing region and a stem sealing region, to which a stem having a plurality of stem pins arranged in an annular shape and passing therethrough for introducing signal voltages from an external circuit is sealed, where D1 is 22.5 ± 0.7 mm and D2 is in the range greater than D1 and less than or equal to 24.0 mm where the outside diameters of the electron gun-housing region and the stem sealing region are D1 and D2, respectively.